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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/665,715	09/20/2000	Richard Scheel	80398.P331	5599

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EXAMINER

HUYNH, KIM T

ART UNIT	PAPER NUMBER
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2189

DATE MAILED: 07/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/665,715

Applicant(s)

SCHEEL ET AL.

Examiner

Kim T. Huynh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 08 May 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 September 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by

Toguchi (US Patent 6,408,355)

a. As per claims 1, 15, 18, Toguchi discloses method of maintaining communications in a bus bridge (fig.9, 6) interconnect comprising a plurality of buses linked by at least one bus bridge, the method comprising:

- receiving a change indication signal from a talker (sender) node; (col.2, 30-65), wherein sending request implies receiving change indication signal)
- performing an address resolution protocol in response to the change indication signal to find an updated node identification address("nodeID") for a listener node using a extended unique identifier ("EUI") of the listener node; and (col.4, lines 7-17), (col.6, lines 23-26), wherein-owner✓ couple with IRM which managing and controlling transactions-between talker(sending) and listener(receiving)

- storing the updated listener nodeID with the listener node EUI. (col.8, lines 26-48), (col.4, lines 25-56)
- b. As per claim 2, Toguchi discloses further comprising transmitting a signal including the updated nodeID for the listener. (col.8, lines 36-48), (col.4, lines 25-56)
- c. As per claim 3, Toguchi discloses wherein performing an address resolution protocol comprises examining a bus bridge to see what buses exist, searching each bus until a matching EUI is found, and identifying the nodeID associated with the matching EUI. (col.7, lines 49-67), (col.8, lines 5-7)
- d. As per claim 4, Toguchi discloses wherein the change indication signal is a net change signal. (col.7, lines 56-67)
- e. As per claim 5, Toguchi discloses wherein the buses are similar to a version of the IEEE standard 1394 bus. (fig.2, 4), abstract
- f. As per claim 6, Toguchi discloses wherein the updated listener nodeID and listener node EUI are stored in a bus bridge portal. (col.8, lines 36-48)
- g. As per claims 7, 11, 16-17, 19-20, Toguchi discloses a method of maintaining communications in a bus bridge interconnect comprising a plurality of buses linked by at least one bus bridge, the method comprising:
- receiving a signal from a talker node at a controller (fig.6, 52) node;
 - transmitting the signal from the controller node to a listener node with an updated controller nodeID as the source nodeID and the controller node EUI as the source EUI; (col.6, lines 1-16)

- searching the listener node memory (fig.6, 53,54) for the controller node EUI;
 - comparing, if the received controller node EUI matches a stored controller node EUI, the received controller nodeID to a stored controller nodeID associated with the stored controller node EUI; (col.7, lines 42-67), (col.8, lines 1-48)
 - replacing the stored controller nodeID with the received controller nodeID in the listener node memory if the received controller nodeID does not match the stored controller nodeID. (col.7, lines 42-67)
- h. As per claims 8, 12, Toguchi discloses transmitting a reply signal including the updated nodeID and the EUI of the controller node. (col.8, lines 1-7)
- i. As per claims 9, 13, Toguchi discloses discarding the received message if the received controller node EUI does not match a stored controller node EUI. (col.7, lines 49-55)
- j. As per claims 10, 14, wherein the buses are similar to a version of the IEEE standard 1394 (fig.2, 4) bus.

Response to Arguments

3. Applicant's arguments filed on 5/08/03 have been fully considered but not persuasive.

a. In response to Applicant's argument that Toguchi does not disclose Extended Unique Identifier which is assigned by the manufacturer of a node and is fixed for each node. However, Toguch does disclose physical id which implies fixed id. (col.7, lines 42-47)

b. In response to Applicant's argument that Toguchi discloses in figures 2a-2c, 3a-3b, 4a-4b this is seem to exit same bus between owner, talker and listener. Toguchi discloses (in abstract, IEEE 1394 bus network which plural buses are connected via bridge), in figures 2-4, basically show bridge couple with owner and IRM for controlling the communication between talker(sending) and listener(receiving), bus id which implies for different bus depending transaction requested. (col.7, lines 42-45)

Conclusion

4.. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. *Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (703)305-5384 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 8:30AM- 6:30PM.*

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815 or via e-mail addressed to [mark.rinehart@uspto.gov]. The fax phone numbers for the organization where this application or proceeding is assigned are (703)746-7249 for regular communications and (703)746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-5631.

Kim Huynh

July 9, 2003



MARK H. RINEHART
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100